

# MSCP

# Annual Report Workshop

Prepared by:

USFWS

BLM

CDFG



County of  
San Diego



City of  
San Diego



City of  
Chula Vista



City of  
Poway



CRN



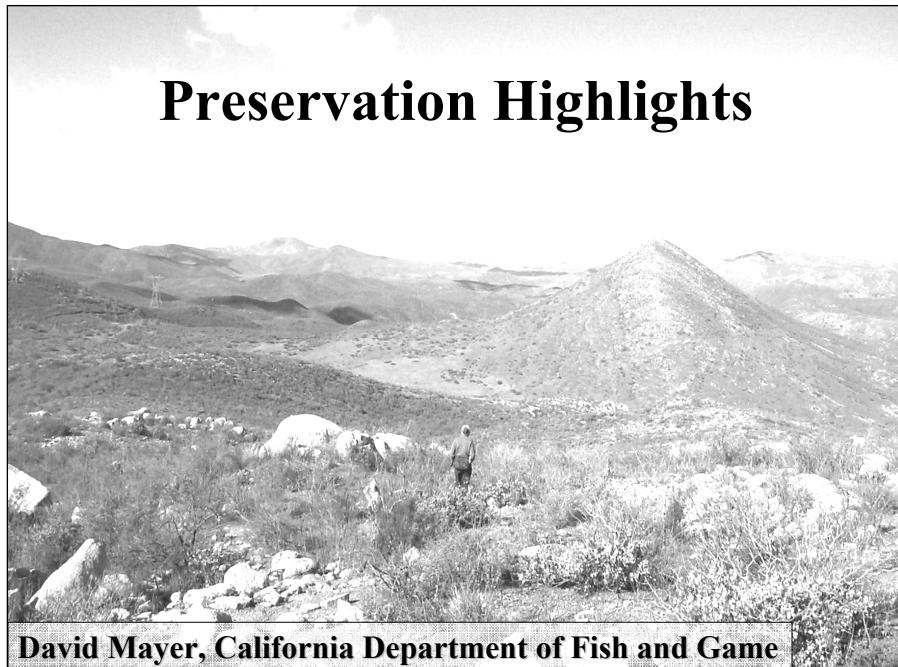
June 17, 2006

## MSCP Annual Report Workshop

### 2005 Overview

- 1. Preservation Highlights**
- 2. Management & Monitoring Highlights**
- 3. Status and Planning**
- 4. Question and Answer**

## Preservation Highlights



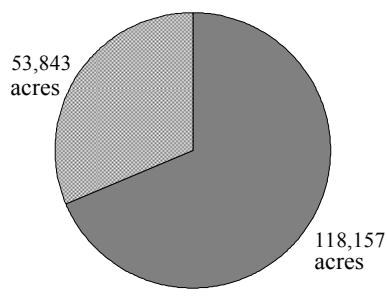
**David Mayer, California Department of Fish and Game**

## Preservation in 2005

- HabiTrak is used to track preservation
- 397.4 acres preserved in 2005
  - 303.4 acres were inside the planned preserve area
  - 94 acres were outside the planned preserve area
- Funding sources
  - Federal Transportation Enhancement Act
  - State Habitat Conservation Fund
  - State Environmental Enhancement and Mitigation
  - California State Coastal Conservancy
  - Wildlife Conservation Board
  - The Nature Conservancy

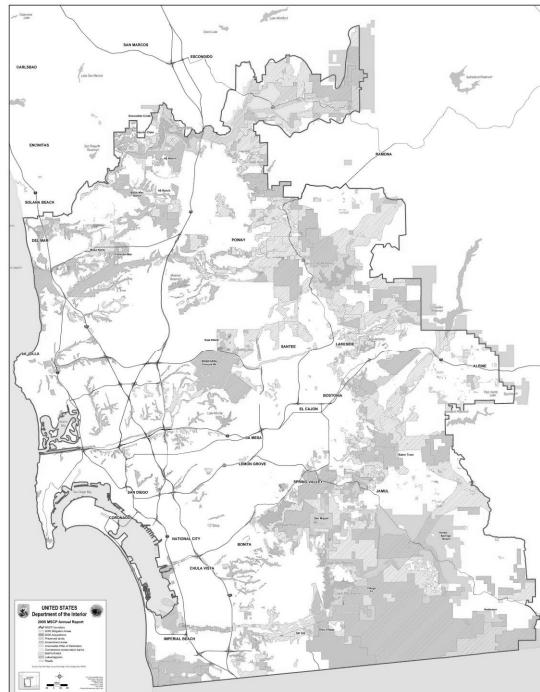
### Cumulative Preservation

Goal: 172,000 acres preserved



■ Preserved ■ Remaining

## **2005 Acquisitions**



## **Management and Monitoring Highlights**



**Clark Winchell, U.S. Fish and Wildlife Service, Carlsbad**



## Habitat Management Technical Committee (HMTC)

- Co-chaired by SD County Parks & USFWS Refuges
- Purpose: Land Managers implement and coordinate on-the-ground management efforts
- Committee efforts are focusing on three major topics:
  1. Creating a library of completed Management Plans
  2. Revise the draft "Inventory of Ongoing MSCP Management Activities"
  3. Investigate how much it costs to manage a set acreage of land



## Habitat Management Plans

- Phase 1 of Mission Trails Regional Park NRMP, funded by CDFG Grant (City of SD, funded by CDFG)
- Draft Western Otay Valley Regional Park NRMP (City of SD, City of CV, County of SD)
- Revised DRAFT San Diego River NRMP (City of SD)
- Final Tecolote Canyon NRMP (City of SD)
- Draft Habitat Restoration Plan and Non-native Plant Removal Guidelines at Otay Valley Regional Park (County of SD)
- Preparation of Land Management Plans (CDFG)
  - Hollenbeck Canyon Wildlife Area
  - Rancho Jamul Ecological Reserve
  - Boden Canyon Ecological Reserve



## **Area Specific Management Directives (ASMD) & Fire Management Plan (FMP)**

- ASMD for MSCP Preserve Lands (City of CV)
- Rolling Hills Ranch ASMD (City of CV)
- Bella Lago ASMD (City of CV)
- San Vicente Highlands ASMD/FMP (County of SD)
- Barnett Ranch ASMD/FMP (County of SD)
- Final Marron Valley FMP (City of SD, funded by CDFG)
- City of Poway FMP (City of Poway)



## **Habitat Management**

- Quino Checkerspot butterfly habitat enhancement study in Marron Valley (funded by CDFG)
- Construction of artificial burrows for Burrowing Owl (funded by CDFG)
- Otay Ranch Preserve Owner Manager (City of CV, SD County)
- Implementation of *DRAFT Trails Master Plan* at Carmel Mountain (City of SD)



## Habitat Management

- Coordination of City of SD staff and volunteer efforts at:
  - Tecolote Canyon
  - Rose Canyon
  - Crest Canyon
- Arundo and tamarisk removal within Rice Canyon (City of CV)
- Invasive weed control at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Los Peñasquitos Canyon Preserve and California Native Plant Society, County of San Diego)
- Invasive weed eradication throughout CDFG reserve areas (CDFG)



## Post-Fire Management and Monitoring

- Post 2003 Fire Monitoring of Otay Mountain (BLM)
- Established photo points for habitat and post-fire recovery monitoring (County of SD)
- Post-fire erosion control at Black Mountain Open Space Park (City of SD)
- Post-burn monitoring of biodiversity (USGS)
- Post-fire monitoring plan for Blossom Valley Habitat Conservation Area (Center for Natural Lands Management)



## Monitoring Working Group

- Chaired by U.S. Fish and Wildlife Service
- Purpose: Coordinate field monitoring efforts and plan future monitoring programs
- Monitoring Working Group has:
  - Directed and wrote grants to review and restructure MSCP monitoring program
  - Coordinated management objectives for burrowing owls in Otay Mesa
  - Finalized a project between USGS and SD County to enhance western pond turtle
  - Developed and tested standard field monitoring data forms



## Review and Restructure of MSCP Monitoring

- San Diego MSCP Rare Plant Monitoring Program Review (Independent scientists , funded by CDFG)
- Investigation and design of methods to monitor changes in plant communities (SDSU)
- Animal monitoring protocols (City of SD, SDSU, funded by CDFG)
- Raptor monitoring report (WRI)



## Habitat Monitoring

- Rapid Assessment Protocol surveys for vegetation and rare plants on Boulder Oaks Preserve (County of SD, California Native Plant Society)
- General habitat monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of SD)
- Wildlife movement studies:
  - Wildcat Canyon Road (County of SD)
  - Participation in San Diego Tracking Team (County of SD, City of SD)
- Roadkill Monitoring Report (City of SD)
- Vegetation map of the San Dieguito Watershed (CDFG)



## Species Monitoring & Mgmt.

- Arroyo toad (*Bufo microscaphus californicus*)
  - surveys on San Diego National Wildlife Refuge (USFWS)
- California least tern (*Sterna antillarum browni*)
  - breeding colony management in Mission Bay and Batiquitos Lagoon (CDFG)
- Del Mar Sand Aster (*Corethrogyne filaginifolia var. linifolia*)
  - quantitative monitoring within City of SD preserves (City of SD)
- Encinitas Baccharis (*Baccharis vanessae*)
  - census of population on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
- Least Bell's vireo (*Vireo bellii pusillus*)
  - surveys along Sweetwater River (USFWS and Sweetwater Authority)
- Light-footed clapper rail (*Rallus longirostris levipes*)
  - surveys (CDFG and USFWS)
- Mountain lion (*Puma concolor*)
  - radio telemetry monitoring at Rancho Jamul Ecological Reserve (UC Davis, funding by CDFG)



Encinitas baccharis



Orcutt's Bird's Beak



## Species Monitoring & Mgmt.

- Nutall's lotus (*Lotus nuttallianus*)
  - Management and monitoring on City of San Diego MSCP lands (California Native Plant Society)
  - quantitative monitoring within City of SD preserves (City of SD)
- Orcutt's Bird's Beak (*Cordylanthus orcuttianus*)
  - quantitative monitoring within City of SD preserves (City of SD)
- Orcutt's brodiaea (*Brodiaea orcuttii*)
  - quantitative monitoring within City of SD preserves (City of SD)
- Otay tarplant (*Deinandra conjugens*)
  - mapped on Trimark and Jamacha Blvd parcels and monitored at San Miguel Ranch (USFWS)
  - quantitative monitoring within City of SD preserves (City of SD)
- San Diego ambrosia (*Ambrosia pumila*)
  - mapped on San Diego National Wildlife Refuge (USFWS)
- San Diego barrel cactus (*Ferocactus viridescens*)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)



Orcutt's brodiaea



San Diego barrel cactus



## Species Monitoring & Mgmt.

- San Diego goldenstar (*Muilla clevelandii*)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
  - quantitative monitoring within City of SD preserves (City of SD)
- San Diego thorn-mint (*Acanthomintha ilicifolia*)
  - surveys and photos plots established (USFWS and TNC)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - annual monitoring at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Goodan Ranch/Sycamore Canyon Open Space)
  - quantitative monitoring within City of SD preserves (City of SD)
- Short-leaved dudleya (*Dudleya blochmaniae brevifolia*)
  - Quantitative monitoring within City of SD preserves (City of SD)
- Southern tarplant (*Centromadia parryi ssp. australis*)
  - surveys in San Pasqual (Friends of Los Peñasquitos Canyon Preserve and California Native Plant Society)



San Diego thorn-mint



## Species Monitoring & Mgmt.

- Thread-leaved brodiaea (*Brodiaea filifolia*)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
- Variegated dudleya (*Dudleya variegata*)
  - monitored and photo plots established (USFWS)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
  - quantitative monitoring within City of SD preserves (City of SD)
- Willowy monardella (*Monardella linoides* ssp. *viminea*)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - annual monitoring at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Goodan Ranch/Sycamore Canyon Open Space)
  - quantitative monitoring within City of SD preserves (City of SD)
- Bird surveys
  - Avian point counts at Crestridge Ecological Reserve and Batiquitos Lagoon (CDFG)



Thread-leaved brodiaea



Variegated dudleya



## Training / Education

- Education on how to identify and survey endangered species (Friends of Los Peñasquitos Canyon Preserve)
- Aquatic stream survey Training Workshop (USGS)
- Raptor Survey and Monitoring Techniques Workshop (WRI, funded by CDFG)
- Publication of *Planning Guidebook for Canyon Enhancement Activities* (City of SD)
- Tadpole field guide (USGS)
- Data migration into BIOS (USGS)



## Status and Planning

- Wildlife Agencies Issue Take Permit and Sign Implementing Agreement for City of Chula Vista (City of CV)
- Proposed Amendment to Habitat Loss and Incidental Take Ordinance (City of CV)
- Quino Checkerspot Butterfly Amendment (County of SD, SDGE)
- Initiating planning of Santee MSCP Subarea Plan (City of Santee)
- North County MSCP Plan (County of SD)
- East County MSCP Plan (County of SD)

## Question and Answer



